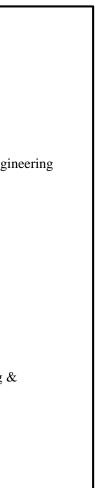
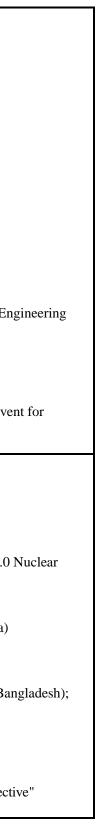
	14-Dec-23		
	Inaugural Event, ENCON23 (ECE Seminar Room, Level 8, ECE Building)		
8:30 - 9:30 am	Registration		
09:40 am	Guests take their seats		
09:45 - 09:55 am	Welcome Address by Conference Secretary Prof. Farseem Mannan Mohammady, Director, IESD		
09:55 - 10:00 am	Address by Chair of Technical Committee, Prof. Mohammad Tamim, PMRE, BUET		
10:00 - 10:05 am	Address by Special Guest Prof. Md. Quamrul Ahsan, Former Professor, EEE, BUET		
10:05 - 10:10 am	Address by the Patron Prof. Abdul Jabbar Khan, Honorable Pro-Vice Chancellor, BUET		
10:10 - 10:20 am	Address by the Chief Guest Dr. Tawfiq-e-Elahi Chowdhury Bir Bikram, Former Honorable Advisor to Prime Minister, Govt. of the People's Republic of Bangladesh		
10:20 - 10:25 am	Address by the Chief Patron Prof. Satya Prasad Majumder, Honorable Vice Chancellor, BUET		
10:25 - 10:30 am	Address by the Conference Chair Prof. Md. Zahurul Haq, ME, BUET		
10:35 - 11:00 am	Tea Break		
11:00 - 12:00 pm	Key Note 1: Prof. Prashanta Dutta, Washington State University, USA Topic: Recent Advancements in Green Hydrogen Production Room no: ECE 625 Session Chair: Prof. Dr. M. Anwar Hossain		
12:00 - 01:00 pm	Key Note 2: Dr. Rashid Hasan, Texas A&M University, USA Topic: Current Advancements in Multiphase Flow Leak Detection Room no: ECE 625 Session Chair: Prof. Dr. M. Anwar Hossain		
01:00 - 02:00 pm	Prayer Break and Lunch		
2:00 -3:30 pm	Technical Session A1 : Sustainable and Renewable Energy Room no: ECE 625 Session Chair: Prof. Dr. Md. Quamrul Islam 1. Paper ID: 20 Fahem Montasir (Bangladesh University of Engineering and Technology) "Analysis of Highly Efficient Hybrid Perovskite Solar Cell" 2. Paper ID: 26 Dhiman Dey, Himangshu Ranjan Ghosh (University of Dhaka) "Optimal Design Parameters of a Micro Vertical Axis Wind Turbine (VAWT) using Qblade Simulation" 3. Paper ID: 59 Mohammad Fazlul Haque; Dipta Akash Roy (Bangladesh University of Engineering & Technology); Syed Shahed (Ahsanullah University of Science and Technology) "A Attempt to Optimize Design Parameters of Hawt Blade" 4. Paper ID: 29 Chowdhury Famida Tabassum; Foysal Ahmed; Dewan Hasan Ahmed (Ahsanullah University of Science and Technology) "Investigation of water wave characteristics and impact behavior on the side wall" 5. Paper ID: 69 Iftekhar Ahmed (Independent University of Bangladesh); Feroz Ahmed (Independent University, Bangladesh) "Sustainable Energy Management for Island Communities: A Role Model using HOMER Optimization and Priority-Based SCADA Operation" 6. Paper ID: 47 Prateek Joshi (National Renewable Energy Laboratory) "Identifying Potential Candidates for Renewable Energy Zones (REZ) in Bangladesh"		



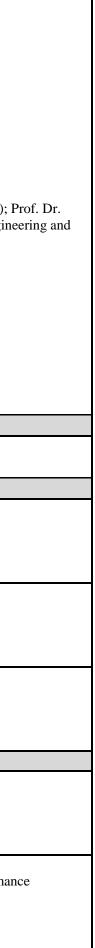
3:30 - 3:45 pm	Tea and Prayer Break
	 Maksudur Rahman; Farseem Mannan Mohammedy; Abid Hasnat (Bangladesh University of Engineering and Technology) "Estimating Per Capita Energy Consumption for Bangladesh Transportation Sector" 6. Paper ID: 53 Md. Sabid Khan; Rahat Redwan (Ahsanullah University of Science and Technology); Mahmudul Hasan (Northern University Bangladesh Ur-Rahman Chowdhury (Ahsanullah University of Science and Technology) "Developing an Electric Vehicle Charging Strategy for Commercial Areas in Dhaka Metropolis"
2:00 -3:30 pm	 4. Paper ID: 25 Mainul Hossain Yaad; Md Adnan Quaium; A. B. M. Alim Al Islam (Bangladesh University of Engineering and Technology) "Energy Scavenging for IoT in Harsh Environments" 5. Paper ID: 36
	 3. Paper ID: 65 Mohammad Irtiza Masroor; Farin Sadaf; Mehnaz Hossain (Ahsanullah University of Science and Technology); Mahmudul Hasan (North University Bangladesh); Nahid-Ur-Rahman Chowdhury (Ahsanullah University of Science and Technology) "A Proposed Optimization Strategy for Energy Savings in Residential Sector"
	 2. Paper ID: 31 Md. Minhajul Islam (RMG Sustainability Council); Md. Tanvir Siraj (Bangladesh University of Engineering and Technology); Md Mehe (Khulna University of Engineering & Technology) "Scale Formation's Impact on Fire Tube Heat Transfer: Implication for Boiler's Energy Efficiency"
	 Paper ID: 11 Towhidul Islam (University of Louisiana); Yousuff Chowdhury (Chevron BD Ltd); Mahbub Rahman (Bangladesh University of Engineer Technology) "Production Optimization of Natural Gas Field in the Surma Basin"
	Technical Session A3: Energy Efficiency and Conservation of Energy Room no.: ECE 632 Session Chair: Prof. Dr. Jibon Podder

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	Technical Session B1: Energy Storage Room no : ECE 625
	Session Chair: Prof. Dr. M. Rezwan Khan
	 Paper ID: 14 Md. Khairul Islam (Rajshahi University of Engineering and Technology) "Fabrication of Calcium Strontium Copper Titanate Electroceramic for Energy Storage Application"
	 2. Paper ID: 22 Md. Abid Al Morshed (Bangladesh University of Engineering and Technology); Md Alif Mahmud (Sonargaon University); Mir Atiqur (Technovative Solution); Md. Zahurul Haq (Bangladesh University of Engineering and Technology) "Advanced Adiabatic Compressed Air Energy Storage System with Phase Changing Materials as Thermal Energy Storage"
	 Paper ID: 40 Sazid Noor Rabi; Tousif Jamee; Abrar Amin Khan; Md. Ashiqur Rahman (Bangladesh University of Engineering and Technology) "Impact of Wettability on the Energy Storage Performance of Crumpled Graphene Supercapacitor"
	 4. Paper ID: 54 Himadry Barua; Basel Ahmad Shabab (Bangladesh University of Engineering & Technology); Fahim Afrad (Chittagong University of Engineering & Technology); Md. Mehedi Hasan; Maruf Ahmed (Bangladesh University of Engineering and Technology) "Advancements in Underground Hydrogen Storage: A Comprehensive Review of Technologies and Challenges"
	 5. Paper ID: 63 Fatema Tuz Zohura; Md. Shakhawat H. Firoz (Bangladesh University of Engineering and Technology) "Manipulating Molecular Level Interaction of Acidic and Basic Aqueous Electrolytes Using Choline chloride-based Deep Eutectic Solver Supercapacitor Application"
	Technical Session B2: Energy and Power Room no: ECE 627 Session Chair: Prof. Dr. Shahidul Islam Khan
	1. Paper ID: 07 Roshlan Rahman Dipto; Safius S Shuddho; Aqueeb A Sunny; A.S Mollah (Military Institute of Science and Technology) "Analysis of Neutronics Parameters of Different Annular Fuel using Monte Carlo Code OpenMC Utilizing JEFF-3.3 and ENDF/B-VIII.0 N Data Libraries"
3:45 - 5:00 pm	2. Paper ID: 46Dipta Akash Roy (Bangladesh University of Engineering and Technology); Md Ahsan Ullah; Subrata Dash Shuvo (University of Dhaka)"An Attempt to Improve the Efficiency of CZTSSe Solar Cell Using a P+ type Al-Ga-Sb as a Bi-layer Material"
	 3. Paper ID: 51 Zarin Anjum Ananna; Khadiza Talukder (Ahsanullah University of Science and Technology); Mahmudul Hasan (Northern University Ban Nahid-Ur-Rahman Chowdhury (Ahsanullah University of Science and Technology) "A Comprehensive Survey on Hybrid Microgrid Energy Management"
	 4. Paper ID: 35 Omor Faruk Safwan (Shahjalal University of Science and Technology) "An evaluation of the environmental impacts and economic performance and the recycling of automobile batteries: Bangladesh perspective



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	Technical Session B3: Energy Policy and Economics
	Room no.: ECE 632 Session Chair: Prof. Dr. M. Nurul Islam
	1. Paper ID: 03 Mashfiq Ahasan Hridoy (Centre for Policy Dialogue)
	"Renewable Energy Policy (Draft) 2022: A Comprehensive Assessment"
	2. Paper ID: 19 Musfekur Rahman Dihan; Troyee Naha; Kawnish Kirtania (Bangladesh University of Engineering and Technology)
3:45 - 5:00 pm	"A Sustainable Waste-to-Energy and Nutrient Reclamation Strategy: A Case Study on Dhaka City"
	3. Paper ID: 27
	Sheikh Md. Sujan (Bangladesh University of Engineering and Technology); K. M. Kayes Ibne Zakir (Islamic University of Technology); F. M. Kayes Ibne Zakir (Isl
	Md. Shafiqul Islam (Bangladesh University of Engineering and Technology); Mohammed Fahadul Islam (Chittagong University of Engine Technology)
	"Prospect of Solar Thermal Power Plant in Bangladesh"
	4. Paper ID: 44
	Ummay Salma; Kawnish Kirtania; Kazi Bayzid Kabir (Bangladesh University of Engineering and Technology)
	"Hydrothermal Carbonization of Municipal Solid Waste in Bangladesh: A Pilot Study"
	5. Paper ID: 66
	Mir Jubaier Hassan; Tasnimun Razin; Md. Ziaur Rahman Khan (Bangladesh University of Engineering and Technology) "Residential Solar PV System: Challenges and Policy Recommendation in Bangladesh"
	Residential Solar I V System. Chancinges and I oney Recommendation in Bangladesh
5:00 - 6:30 pm	Networking and Traditional Pitha Utshob
	15-Dec-23
	Invited Lecture 1: Prof. Dr. Mikhail Slipchenko, Purdue University, USA.
	Topic: Advances in Laser Sources for Femtosecond, Picosecond, and Nanosecond High-speed Laser Diagnostics
9:00 – 9:30 am	Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi
	Session Chair. 1101. Dr. wi. Pazir fram
	Invited Lecture 2: Dr. Venkat Athmanatan, Purdue University, USA.
9·30 - 10·00 am	
9:30 - 10:00 am	Topic: Sustainable Combustion: Revolutionizing Power Generation with hydrogen fueled Rotating Detonations Engines
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	Topic: Sustainable Combustion: Revolutionizing Power Generation with hydrogen fueled Rotating Detonations Engines Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Invited Lecture 3: Dr. M. Rafiqul Awal., MB Enterprise International Topic: Crossroads of Industrial Revolution: Defining Sustainable Cleaner Energy Technology Pathway.
9:30 - 10:00 am 10:00 - 10:30 am	Topic: Sustainable Combustion: Revolutionizing Power Generation with hydrogen fueled Rotating Detonations Engines Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Invited Lecture 3: Dr. M. Rafiqul Awal., MB Enterprise International Topic: Crossroads of Industrial Revolution: Defining Sustainable Cleaner Energy Technology Pathway. Room no: ECE 625
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10:00 - 10:30 am	Topic: Sustainable Combustion: Revolutionizing Power Generation with hydrogen fueled Rotating Detonations Engines Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Invited Lecture 3: Dr. M. Rafiqul Awal., MB Enterprise International Topic: Crossroads of Industrial Revolution: Defining Sustainable Cleaner Energy Technology Pathway. Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Tea Break Key note 3: Dr. Syed Islam, Federation University, Australia.
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10:00 - 10:30 am 10:30 - 11:00 am	Topic: Sustainable Combustion: Revolutionizing Power Generation with hydrogen fueled Rotating Detonations Engines Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Invited Lecture 3: Dr. M. Rafiqul Awal., MB Enterprise International Topic: Crossroads of Industrial Revolution: Defining Sustainable Cleaner Energy Technology Pathway. Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Imvited Lecture 3: Dr. M. Rafiqul Awal., MB Enterprise International Topic: Crossroads of Industrial Revolution: Defining Sustainable Cleaner Energy Technology Pathway. Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Tea Break Key note 3: Dr. Syed Islam, Federation University, Australia. Topic: Journey Toward Net Zero by 2050 : Lessons Learnt from Australian Experience
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10:00 - 10:30 am 10:30 - 11:00 am 11:00 - 12:00 pm	Topic: Sustainable Combustion: Revolutionizing Power Generation with hydrogen fueled Rotating Detonations Engines Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Invited Lecture 3: Dr. M. Rafiqul Awal., MB Enterprise International Topic: Crossroads of Industrial Revolution: Defining Sustainable Cleaner Energy Technology Pathway. Room no: ECE 625 Session Chair: Prof. Dr. M. Fazli Ilahi Tea Break Key note 3: Dr. Syed Islam, Federation University, Australia. Topic: Journey Toward Net Zero by 2050 : Lessons Learnt from Australian Experience Room no: ECE 625 Session Chair: Prof. Dr. Md. Quamrul Ahsan Invited Lecture 4: Dr Ismail bin Mohd Saaid, Universiti Teknologi PETRONAS, Malaysia. Topic: Improving Hydrocarbon Recovery in The Presence of Stringent Environmental Requirements Through Novel Reservoir Conforman
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12:30 - 2:30 pm	Prayer Break and Lunch
	Technical Session C1: Biofuels
	Room no : ECE 625
	Session Chair: Prof. Dr. Mohammad Arif Hasan Mamun
	1. Paper ID: 06
	Md. Atik Fayshal; Md Khalekuzzaman (Khulna University of Engineering and Technology)
	"Optimizing biocrude production and quality through co-hydrothermal liquefaction of fecal sludge and organic solid waste"
	2. Paper ID: 43
	Dr. Kawnish Kirtania; Rakesh Bhowmick (Bangladesh University of Engineering and Technology) "Bio-crude Oil Production Through Co-hydrothermal Liquefaction of Sawdust and Cow Manure"
	3. Paper ID: 72 Mohammad Ismail (University of Dhaka)
	"Carbon Capture and Hydrogen Sulfide Removal from Biogas by Adsorption Process"
	Technical Session C2: Energy and Environment
	Room no: ECE 627
	Session Chair: Prof. Dr. M. Feroze Ahmed
	1. Paper ID: 08
	Lutfor Rahman (GreenTech Foundation Bangladesh)
	"Towards a Green Revolution: Climate Change Mitigation through Decarbonization."
2:30 - 3:15 pm	2. Paper ID: 33
	Sazid Hasan; Tasviul Ibn Kamal; Dr. A N Mustafizul Karim (Ahsanullah University of Science and Technology)
	"Assessing Carbon Emission Of A Local Food Industry: A Quantitative Analysis."
	3. Paper ID: 04
	Md. Zahirul Ahsan; Md. Rakib Molla; Zunayed Zakir Arnab; Md. Noor A Alam (Elite Hitech Industries Ltd.)
	"AI-Enhanced Energy-Efficient Air Conditioning for Sustainable Comfort"
	Technical Session C3: Energy Modelling
	Room no: ECE 632 Session Chair: Prof. Dr. Maglub Al Nur
	Session Chan. 1101. DI. Magido Al Nui
	1. Paper ID: 10
	Md. Sayed Hasan Rifat; Mohammad Jahangir Alam (Bangladesh University of Engineering and Technology)
	"Device Modeling and Optimization of Lead-Free Perovskite/Kesterite Tandem solar cell using SCAPS-1D simulation"
	2. Paper ID: 62
	Foysal Ahmed Neerob (Bangladesh University of Engineering and Technology); Ugur Pasaogullari (University of Connecticut); Md Ama (Bangladesh University of Engineering and Technology)
	"Computational Modeling of Thermal Management of Proton Exchange Membrane Water Electrolyzer"
	3. Paper ID: 67
	Asif Hassan; Mostafizar R. Rony; Sadia Mortuza; Nirendra Nath Mustafi (Rajshahi University of Engineering and Technology)
	"CFD Modeling, Parametric Analysis, and Comparative Study of Earth-to-Air Heat Exchanger Designs for an Office Room"
3:15 - 3:30 pm	Tea and Prayer Break
	Panel Discussion I: Energy Policy Panelist: 1. Siddique Zubair, Addl. Secretary (Retd)
	2. Ratan Kumar Ghosh, Member SHREDA
3:30 - 5:15 pm	3. Md. Monowar Hasan Khan, Joint Secretary, Power Division
	Panel Discussion II: Energy Technology
	Panelist: 1. Nirod Chandra Mondal, Joint Secretary, Power Division.
	2. Dr. Md. Moniruzzaman, Member, BEPRC
	3. Md. Shameem Khan, Director General, Hydrocarbon Unit



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	 Panel Discussion III: Energy Business and Finance Panelist: 1. Mamun Rashid, PwC 2. Mohammad Alauddin, Rector, Bangladesh Power Management Institute 3. S. M. Monirul Islam, Deputy CEO & CFO, IDCOL Room no : ECE Seminar Room Moderator: Mollah M. Amzad Hossain, Editor - Energy and Power
5:15 - 5:30 pm	Prayer Break
5:30 - 6:30 pm	Key note 4: Dr. Mohammad Tamim, Bangladesh University of Engineering and Technology Topic: Meeting the Paris Accord and SDG7 Objectives of Bangladesh Room no: ECE 625 Session chair: Prof. Dr. M. M. Shahidul Hassan
	Closing Ceremony, ENCON23
6:30 – 6:40 pm	Platinum Session by Saif Powertec Ltd.
6:40 – 6:50 pm	Platinum Session by Summit Group
6:50 - 6:55 pm	Address by Patron Prof. Abdul Jabbar Khan, Honorable Pro-Vice Chancellor, BUET
6:55 - 7:00 pm	Address by the Special Guest Maj. Gen. (Retd.) Moin Uddin, MD, EGCB
7:00 - 7:10 pm	Student Project Award
7:10 - 7:20 pm	Best Paper Award
7:20 - 7:30 pm	Address by the Chief Guest Prof. M. Anwar Hossain, former Vice Chancellor, IUT and AUST
7:30 - 7:35 pm	Address by the Chief patron Prof. Satya Prasad Majumder, Honorable Vice Chancellor, BUET
7:35 - 7:40 pm	Concluding remarks by Conference Chair, Prof. Md. Zahurul Haq, ME, BUET
7:40 - 09:00 pm	Vice Chancellor's Banquette

